

Amendments to the Claims:

Please amend the claims to read as follows.

1-277. (cancelled).

278. (currently amended) A computer software program for determining a front mold, a back mold and a gasket which together produce a mold cavity, the mold cavity being configured to hold a lens forming composition, which is wherein the lens forming composition is curable by activating light to produce an eyeglass lens having a predetermined prescription ~~the front mold member comprising a front mold identification marking, the back mold member comprising a back mold identification marking, the gasket member comprising a gasket identification marking, and~~ wherein the software program comprises a plurality of instructions configured to perform operations comprising:

~~collecting prescription information which defines the eyeglass prescription; and~~

~~analyzing the prescription information to determine the front mold identification marking, the back mold identification marking, and the gasket identification marking of the appropriate front mold, back mold and gasket for producing the eyeglass lens; and~~

determining curing conditions for a lens based on the eyeglass prescription.

279. (original) The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power, and a lens location.

280. (original) The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power and a lens location, and wherein

the prescription information is analyzed by correlating the sphere power, cylinder power and the lens location to ^a record in an information database. BQ

281. (original) The computer software program of claim 279, wherein the prescription information further comprises monomer type and lens type.
282. (original) The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power, an add power and a lens location.
- 63 283. (original) The computer software program of claim 278, wherein the prescription information comprises a sphere power, a cylinder power, an add power, and a lens location and wherein the prescription information is analyzed by correlating the sphere power, the cylinder power, the add power, and the lens location to a record in an information database.
284. (original) The computer software program of claim 282, wherein the prescription information further comprises monomer type and lens type.
285. (currently amended) The computer software program of claim 278, wherein the front mold member comprises a front mold identification marking, the back mold member comprises a back mold identification marking, the gasket member comprises a gasket identification marking, and wherein the front mold identification marking comprises an alphanumeric sequence, and wherein the back mold identification marking comprises an alphanumeric sequence, and wherein the gasket identification marking comprises an alphanumeric sequence.
286. (currently amended) The computer software program of claim 278, wherein the front mold member comprises a front mold identification marking, the back mold member comprises a back mold identification marking, the gasket member comprises a gasket identification marking, and wherein the operations further comprise producing a visual

display of the front mold identification ~~number~~marking, the back mold identification ~~number~~marking, and the gasket identification ~~number~~marking subsequent to analyzing the prescription data.

287. (cancelled)

288. (currently amended) The computer software program of claim 278, wherein the operations further comprise controlling a lens curing unit, the lens curing unit being configured to cure the lens forming composition.

β^3 289. (currently amended) The computer software program of claim 278, wherein the operations further comprise:

~~determining curing conditions for a lens based on the eyeglass prescription; and~~

controlling a lens curing unit, the lens curing unit being configured to cure the lens forming composition, wherein controlling the lens curing unit comprises operating the ~~controlling-lens curing~~ unit such that the curing conditions are produced.

290. (original) The computer software program of claim 278, wherein the operations further comprise allowing the eyeglass prescription to be altered after the eyeglass prescription is collected.

291. (original) The computer software program of claim 278, wherein the operations further comprise storing the eyeglass prescription on a computer readable media.

292. (currently amended) The computer software program of claim 278, wherein the operations further comprise controlling a coating unit, the coating unit configured to produce a coating on at least one of the mold members or the eyeglass lens~~being configured to cure the lens forming composition.~~

293-442. (Canceled)

B4 443. (new) The computer software program of claim 278, further comprising collecting prescription information which defines the eyeglass prescription.
